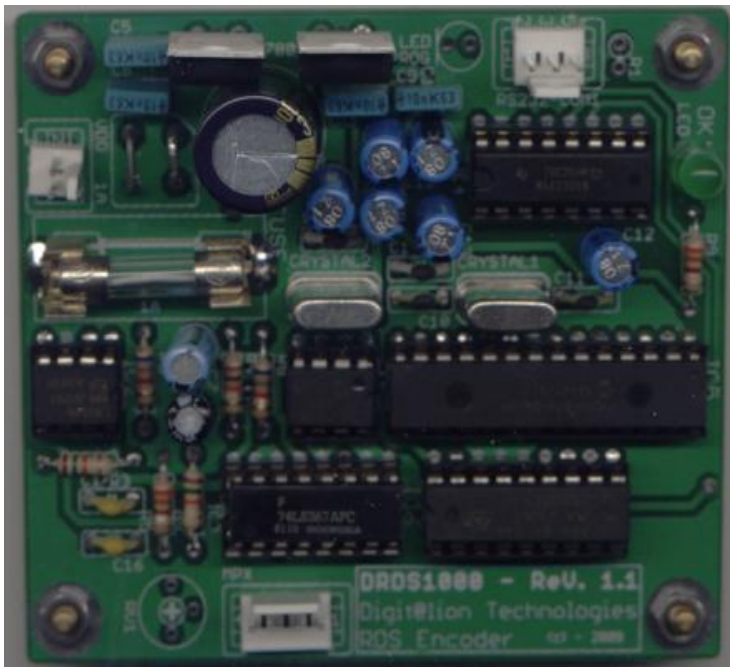
Broadcast Power Xperience Design

RDSFM1000

FM RDS ENCODER BROADCAST BOARD

Designed for FM radio transposers and transmitters, this RDS Encoder incorporates all that you need for RDS data in your station.



Dimensions (L x W x H): 80 x 60 x 30mm (3.1" x 2.2" x 1.2")

This picture is a mere example, it does not bind the provided product

General characteristics:

- RDS Encoder for FM stations.
- 15 - 18 Volts DC.
- Input MPX and Output MPX+RDS balanced.
- Fuse protection (1A).
- PS Static, 63 PS Dynamic, PTY, PI, 7 AF, TA, TP, M/S and 2 RT supported.
- RS232/COM1/COM2 connection supported for program RDS encoder.
- ROHS Compliant.

ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	VALUE	UNIT
Vs	Voltage Supply	18	VDC
Is	Supply Current	1	A
Tstg	Storage Temperature Range	-20 to +100	°C
TOP	Operating Temperature	-20 to +55	°C

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RDS SPECIFICATIONS

CHARACTERISTICS	SUPPORTED
PS STATIC (Program Service static)	YES
PS DYNAMIC (Program Service dynamic)	YES, 63
PI (Program Identification)	YES
PTY (Program Type)	YES
AF (Alternate Frequency)	YES, 7
TP (Traffic Program)	YES
TA (Traffic Announciament)	YES
M/S (Music/Speech)	YES
RT (Radio Text 64 Characters)	YES, 2

RDS SOFTWARE O.S. COMPATIBILITY

SYSTEM OPERATING	SUPPORTED
Windows 98 / 98SE	YES
Windows ME	YES
Windows 2000	YES
Windows XP / SP1 / SP2	YES
Windows Vista	UNKNOWN
Linux	NO
MAC OS X	NO

For more information of software, you use CD-ROM included.

NOTE: The RDS software and User manual in Spanish language.

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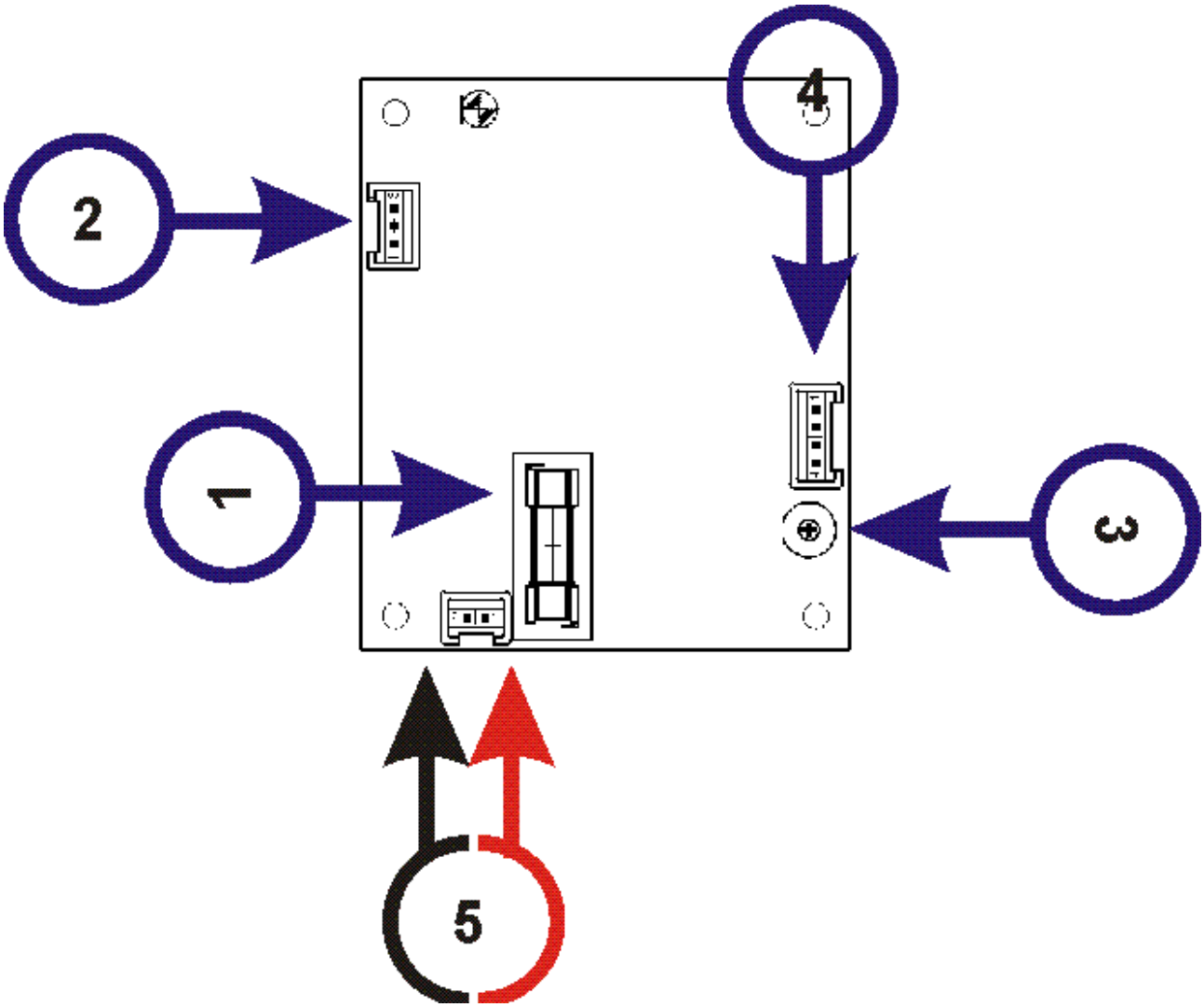
CONNECTIONS



1. **FUSE protection.** You use 1A fuse.
2. **RS232 Connection data programming Connector.** You use D-SUB DB9 female connector.
   PIN1 -> PIN2 D-SUB DB9 FEMALE
   PIN2 -> PIN3 D-SUB DB9 FEMALE
   PIN3 -> PIN5 D-SUB DB9 FEMALE
3. **Trimmer resistor.** For you balance MPX and RDS data.
4. **MPX Input/MPX+RDS Output Connector.**
   PIN1 -> MPX+RDS Output
   PIN2 and PIN3 -> GND
   PIN4 -> MPX Input
5. **+18V power supply input Connector.** Black is GND, RED is positive.

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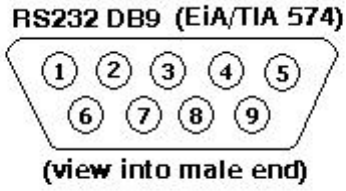
RDSFM1000 CONNECTION TO D-SUB DB9

Pin No.	Name	Notes/Description
1	DCD	Data Carrier Detect
2	RD	Receive Data (a.k.a RxD, Rx)
3	TD	Transmit Data (a.k.a TxD, Tx)
4	DTR	Data Terminal Ready
5	SGND	Ground
6	DSR	Data Set Ready
7	RTS	Request To Send
8	CTS	Clear To Send
9	RI	Ring Indicator



View - looking into male connector

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D-SUB DB9 FEMALE CONNECTOR FOR RACK PANEL

D-SUB DB9 FEMALE-MALE cable for RDS to Computer connection.

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WARRANTY

All OEM modules have 1 year warranty in Digit@lion Technologies.
The warranty not include the RF power transistor installed**.**
Shipping Cost to our laboratory and back for a repair is not included in the warranty.

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